

GLEN ALLEN OBSERVATIONS FOR 2019

West Henrico Co. - Glen Allen Weather Center 37.65537° N. 77.56929° W. - Koontz																	
1	TEMPERATURES AVERAGE AND DEPARTURES									TEMPS MEAN (High & Low)				MAX. TEMPS (High & Low)			
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
2019	MAX.	*	DEP.	MIN.	*	DEP.	MEAN	*	DEP.	HIGH	LOW	HIGH	LOW	HIGH	LOW	HIGH	LOW
PAGE	AVE.	YEAR	OF AVE.	AVE.	YEAR	OF AVE.	AVE.	YEAR	OF AVE.	MEAN	MEAN	MEAN	MEAN	MAX.	MAX.	MAX.	MAX.
1	Deg	AVE.	MAX.	Deg	AVE.	MIN.	Deg	AVE.	MEAN	Deg	Date of Mean	Deg	Date of Mean	Deg	Date of Max.	Deg	Date of Min.
MONTH	F	MAX.	° F	F	° F	° F	F	° F	° F	F		F		F		F	
JAN.	47.70	47.05	0.6	29.01	27.14	1.9	38.35	37.09	1.3	55.9	01	21.4	31	68	01	29	21
FEB.	53.79	52.11	1.7	33.59	30.47	3.1	43.69	41.29	2.4	60.3	06	24.5	01	75	05	30	01
MAR.	57.55	59.19	-1.6	35.83	37.24	-1.4	46.69	48.22	-1.5	67.8	15	30.5	06	78	29	38	06
APR.	73.23	70.71	2.5	49.88	47.33	2.5	61.56	59.02	2.5	72.6	08	37.9	02	87	30	46	02
MAY	83.46	78.92	4.5	61.68	58.27	3.4	72.57	68.60	4.0	82.2	26	56.4	14	94	29	64	13
JUN.	85.42	86.30	-0.9	65.04	65.78	-0.7	75.23	76.17	-0.9	83.0	17	65.2	04	96	29	74	07
JUL.	92.78	89.87	2.9	70.82	69.95	0.9	81.80	79.86	1.9	89.7	21	72.4	23	102	21	79	23
AUG.	88.79	87.50	1.3	67.55	68.10	-0.6	78.17	77.68	0.5	85.8	19	68.0	26	97	19	76	26
SEP.	86.57	81.52	5.0	64.94	62.40	2.5	75.76	71.89	3.9	83.7	12	63.2	19	97	12	74	19
OCT.	73.31	70.97	2.3	53.25	50.08	3.2	63.28	60.27	3.0	84.7	02	51.3	18	98	03	59	20
NOV.	56.10	60.20	-4.1	34.59	37.95	-3.4	45.35	48.88	-3.5	56.2	05	30.0	13	71	05	38	13
DEC.	53.22	51.92	1.3	33.54	32.60	0.9	43.38	42.34	1.0	59.7	30	29.1	19	73	30	39	19
TOTAL	851.94	836.27	15.7	599.71	587.33	12.38	725.83	711.31	14.52	881.3		549.6		1036		646	
NUM.	12	12	12	12	12	12	12	12	12	12		12		12		12	
AVE.			1.3			1.0	60.49	59.28	1.2								
MAX.	92.78	89.87	5.0	70.82	69.95	3.4	81.80	79.86	4.0	89.7	Jul-21	72.4	Jan-31	102	Jul-21	79	Jan-21
MIN.	47.70	47.05	-4.1	29.01	27.14	-3.4	38.35	37.09	-3.5	55.9		21.4		68		29	
* 10 YRS. Ave. for Jan-Jun 11 YRS. Ave. for Jul - Dec										Occurred on more than one date							
MAXIMUM			MINIMUM			AVERAGE OR MEAN			DEPARTURES			TOTALS			DATES		

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West Henrico Co. - Glen Allen Weather Center 37.65537° N. 77.56929° W. - Koontz																				
2	MIN. TEMPS (High & Low)				TEMPERATURE RANGES				TEMPERATURE (SELECTED)				PRECIP. (DEPARTURES)							
19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35				
2019 PAGE 2 MONTH	HIGH	Date of High Min.		LOW	Date of Low Min.		TEMP.	Date-High Range		TEMP.	Date-Low Range		TEMP.	# DAYS		# DAYS		PRECIP.	2.5	PRECIP.
	MIN.			MIN.			MAX			AVE.			# DAYS					FOR	YEARS	FOR
	Deg			Deg			RANGE			RANGE			RANGE					MONTH	PRECIP.	MONTH
	F			F			Deg			Deg			Deg					TOTAL	AVE.	DEP.
	F			F			F			F			F					INCHES	INCHES	INCHES
JAN.	44	01	11	22	34	20	3	13	18.7	0	2	0	20	2.94	3.34	-0.40				
FEB.	52	15	18	10	39	05	5	11	20.2	0	1	0	12	5.42	2.71	2.71				
MAR.	62	15	21	07	41	24	5	01	21.7	0	0	0	14	3.54	3.56	-0.02				
APR.	66	19	27	01	41	03	7	13	23.4	0	0	0	3	3.63	3.30	0.33				
MAY	71	24	42	15	32	15	12	11	21.8	7	0	2	0	3.77	5.41	-1.64				
JUN.	74	20	49	04	32	04	6	07	20.4	9	0	8	0	8.44	4.58	3.86				
JUL.	78	20	63	25	30	02	13	23	22.0	24	0	20	0	2.68	4.39	-1.71				
AUG.	74	19	59	30	29	30	15	24	21.2	17	0	12	0	7.96	4.06	3.90				
SEP.	72	05	48	20	32	20	7	05	21.6	11	0	6	0	0.17	4.17	-4.00				
OCT.	72	02	37	18	32	24	5	20	20.1	2	0	1	0	5.39	4.26	1.13				
NOV.	49	27	21	14	36	10	8	19	21.5	0	0	0	12	1.65	3.75	-2.10				
DEC.	51	29	20	19	33	26	7	16	19.7	0	0	0	17	3.32	4.19	-0.87				
TOTAL	765		414		409		92		252	70	3	49	78	48.91	47.73	1.18				
NUM.	12		12		12		12		12	12	12	12	12	12	12	12				
AVE.					34.0		7.6		21.0											
MAX.	78	Jul-20	63	Jan-22	41	Apr-03	15	Jan-13	23.4	24	2	20	20	8.44	5.41	3.90				
MIN.	44		11		29		3		18.7	0	0	0	0	0.17	2.71	-4.00				
* 10 YRS. Ave. for Jan-Jun 11 YRS. Ave. for Jul - Dec										Occurred on more than one date										
MAXIMUM			MINIMUM			AVERAGE OR MEAN			DEPARTURES			TOTALS		DATES						

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West Henrico Co. - Glen Allen Weather Center 37.65537° N. 77.56929° W. - Koontz																				
3	PRECIPITATION EXTREMES					PRECIPITATION DAYS				PRECIPITATION INTENSITY				FROZEN PRECIPITATION						
36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56
2019 PAGE 3 MONTH	PRECIP.		PRECIP.			PRECIPITATION				PRECIP.		PRECIP.		FROZEN	Max.		Number	Snow on Ground		DAYS with
	MAX.	IN	MAX.	1 st Day of Max.	2 nd Day of Max.	# DAYS	Cal. Day	Cal. Day	Cal. Day	MAX	Day of Max.	MAX	Day of Max.	TOTAL	FROZEN	Max. Snow Day	DAYS	MAX.	Date of Max.	Snowfall
	IN	Cal. Day	IN	24 HRS.	24 HRS.	>Trace	>=0.10	>= 1.00	>= 2.00	IN 1 HR.	MT-to-MT	IN 5 MIN.	MT-to-MT	FOR	FOR	Max. Snow Day	>Trace	IN CAL.	DAY	ON YARD
	INCHES	INCHES	INCHES	INCHES	INCHES	MONTH	DAYS	DAYS	DAYS	INCHES	INCHES	INCHES	INCHES	INCHES	INCHES	Snow	INCHES	INCHES	DAYS	DAYS
JAN.	1.17	13	1.23	Jan 12	Jan 13	11	6	1	0	0.41	24	0.16	24	3.0	2.0	13	2	2.5	14	3
FEB.	1.35	12	1.58	Feb. 11	Feb. 12	13	10	1	0	0.41	12	0.08	12	1.4	1.0	20	3	0.4	20	2
MAR.	1.84	21	1.87	Mar-20	Mar-21	12	5	1	0	0.60	21	0.07	21	0	0		0	0.0		0
APR.	0.77	13	0.79	Apr 13	Apr 14	12	9	0	0	0.52	13	0.19	19	0	0		0	0.0		0
MAY	1.31	31	1.31	May 31		10	8	1	0	1.11	31	0.19	31	0.0	0.0		0	0.0		0
JUN.	3.81	07	4.32	Jun-07	Jun-08	13	8	3	1	2.40	07	0.33	07	0.0	0.0		0	0.0		0
JUL.	1.05	04	1.05	Jul 04		8	4	1	0	0.82	04	0.20	11	0.0	0.0		0	0.0		0
AUG.	1.41	05	2.81	Aug 03	'Aug 04	13	10	4	0	1.28	04	0.35	04	0.0	0.0		0	0.0		0
SEP.	0.05	11	0.08	09-11	09-12	5	0	0	0	0.05	11	0.02	11	0.0	0.0		0	0.0		0
OCT.	1.88	16	1.88	Oct 16		9	6	2	0	0.64	16	0.12	22	0.0	0.0		0	0.0		0
NOV.	0.68	12	0.72	Nov 23	Nov 24	10	4	0	0	0.25	23	0.04	23	0.3	0.3	12	1	T	12	0
DEC.	0.65	13	0.67	Dec 13	Dec 14	10	8	0	0	0.33	17	0.05	01	0.1	0.1	11	1	0.0		0
TOTAL	15.97		18.31			126	78	14	1	8.82		1.80		4.8			7	2.9		5
NUM.	12		12			12	12	12	12	12		12								
AVE.	1.33		1.53			10.5	6.5	1.2	0.1	0.74		0.15								
MAX.	3.81	Jun-07	4.32			13	10	4	1	2.40	Jun-07	0.35	Aug-04	3.0	2.0	Jan-13	3	2.5	Jan-14	3
MIN.	0.05		0.08			5	0	0	0	0.05		0.02		0.0	0.0		0	0.0		0
* 10 YRS. Ave. for Jan-Jun 11 YRS. Ave. for Jul - Dec											Occurred on more than one date									
MAXIMUM			MINIMUM			AVERAGE OR MEAN				DEPARTURES				TOTALS			DATES			

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4	SKY CONDITIONS - SUNRISE TO NOON					SKY CONDITIONS - NOON TO SUNSET							MAX. MIN. REL. HUM.		
57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72
2019 PAGE 4	SKY	SKY	SKY	SKY	SKY	SKY	SKY	SKY	SKY	SKY	SKY	SKY	REL.	REL.	Low RH Day/s
	AM	AM	AM	AM	DAYS	PM	PM	PM	PM	DAYS	DAYS	DAYS	HUM.	HUM.	
	CLEAR	PT. CLO.	CLOUDY	AVE.	OBS.	CLEAR	PT. CLO.	CLOUDY	AVE.	OBS.	AVE	AVE	HIGH	LOW	
	MONTH	MONTH	MONTH	CLOUD	MADE	MONTH	MONTH	MONTH	CLOUD	MADE	0=CLEAR	DEP.	MAX.	MIN.	
MONTH	0-33%	34-66%	67-100%	COVER	DAYS	0-33%	34-66%	67-100%	COVER	DAYS	2=CLOUDY	Units 0 - 2	%	%	
JAN.	11	1	19	1.26	31	12	6	13	1.03	31	1.15	0.01	99	26	21
FEB.	8	5	15	1.25	28	5	4	19	1.50	28	1.38	0.19	99	17	25
MAR.	12	6	13	1.03	31	10	4	17	1.23	31	1.13	-0.03	98	21	23
APR.	8	9	13	1.17	30	6	8	16	1.33	30	1.25	0.23	100	27	04
MAY	12	7	12	1.00	31	8	12	11	1.10	31	1.05	-0.12	99	39	15
JUN.	11	6	13	1.07	30	9	10	11	1.07	30	1.07	0.07	98	38	03
JUL.	20	4	7	0.58	31	10	12	9	0.97	31	0.77	-0.26	98	38	26
AUG.	13	6	12	0.97	31	8	7	16	1.26	31	1.11	0.03	100	40	30
SEP.	16	3	11	0.83	30	11	12	7	0.87	30	0.85	-0.24	99	38	23
OCT.	11	2	18	1.23	31	11	4	16	1.16	31	1.19	0.20	99	29	11
NOV.	14	6	10	0.87	30	10	6	14	1.13	30	1.00	0.01	98	39	13
DEC.	8	10	13	1.16	31	11	5	15	1.13	31	1.15	-0.03	100	37	19
TOTAL	144	65	156	12	365	111	90	164	14	365	13.09		1187	389	Feb-25
NUM.	12	12	12	12		12	12	12	12		12		12	12	
AVE.	12.0	5.4	13.0	1.03		9.3	7.5	13.7	1.15		1.09		98.9	32.4	
MAX.	20	10	19	1.26		12	12	19	1.50		1.38		100	40	
MIN.	8	1	7	0.58		5	4	7	0.87		0.77		98	17	
* 10 YRS. Ave. for Jan-Jun 11 YRS. Ave. for Jul - Dec Occurred on more than one date															
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West Henrico Co. - Glen Allen Weather Center 37.65537° N. 77.56929° W. - Koontz														
5	AVE. REL. HUMIDITY			WIND RUN				WIND SPEED			MAX. MIN. BAROMETER			
73	74	75	76	77	78	79	80	81	82	83	84	85	86	87
2019 PAGE 5 MONTH	REL. HUM. AVE MAX %	REL. HUM. AVE. MIN %	REL. HUM. AVE. DAY %	WIND RUN MONTH TOTAL MILES	WIND RUN DAILY AVE. MILES	WIND RUN DAILY MAX. MILES	Day of Max.	WIND AVE. DAILY GUST MPH	WIND MAX. DAILY GUST MPH	Day of Max.	BARO. MAX. FOR MONTH INCHES	Day of Max.	BARO. MIN. FOR MONTH INCHES	Day of Min.
JAN.	89.7	54.4	72.0	2306.2	74.4	149.2	20	18.0	32	30	30.77	22	29.29	20
FEB.	90.6	53.1	71.9	1917.7	68.5	155.5	15	16.1	28	13	30.76	09	29.54	24
MAR.	86.7	44.8	65.7	2740.5	88.4	214.1	15	18.8	36	15	30.51	27	29.62	22
APR.	91.0	49.1	70.1	2581.4	86.0	161.1	19	20.0	35	15	30.43	04	29.40	15
MAY	93.5	55.7	74.6	2198.1	70.9	132.1	10	16.8	24	23	30.30	01	29.59	05
JUN.	93.3	54.8	74.1	2029.3	67.6	155.7	16	17.0	31	05	30.22	04	29.56	20
JUL.	92.8	51.9	72.4	1681.2	54.2	107.1	22	16.3	30	11	30.31	27	29.80	11
AUG.	95.5	57.2	76.3	1554.1	50.1	98.7	13	15.9	31	22	30.22	31	29.74	13
SEP.	94.5	54.6	74.6	1764.7	58.8	155.9	06	14.2	26	06	30.36	13	29.74	06
OCT.	95.2	58.9	77.0	1889.4	60.9	169.6	31	16.1	42	31	30.39	05	29.53	16
NOV.	93.7	53.1	73.4	1930.0	64.3	182.8	16	16.7	28	27	30.49	13	29.48	24
DEC.	94.0	59.3	76.6	1740.7	56.2	136.0	30	15.0	27	30	30.76	12	29.37	14
TOTAL	1111	647	879	24333	801	1818		201	370		365.52		354.66	
NUM.	12	12	12	12	12	12		12	12		12		12	
AVE.	92.5	53.9	73.2	2027.8	66.7	151.5	Mar-15	16.7	31	Oct-31	30.46	Jan-22	29.56	Jan-20
MAX.	95.5	59.3	77.0	2740.5	88.4	214.1		20.0	42		30.77		29.80	
MIN.	86.7	44.8	65.7	1554.1	50.1	98.7		14.2	24.0		30.22		29.29	
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West Henrico Co. - Glen Allen Weather Center 37.65537° N. 77.56929° W. - Koontz													
6	AVERAGE BAROMETER					WEATHER CONDITION DAYS							
88	89	90	91	92	93	94	95	96	97	98	99	100	101
2019 PAGE 6 MONTH	BARO.	BARO.	BARO.	*	BARO.	GLAZE	SLEET	SNOW	FOG	THUNDER	DEW	FROST	HAIL
	MAX.	MIN.	MEAN	Normal	DEP.	OBS.	OBS.	OBS.	OBS.	OBS.	OBS.	OBS.	OBS.
	AVE.	AVE.	BAR.	Ave. Bar.	OF AVE.	Num.	Num.	Num.	Num.	Num.	Num.	Num.	Num.
	MONTH	MONTH	MONTH	MONTH	MEAN	of	of	of	of	of	of	of	of
	INCHES	INCHES	INCHES	INCHES	INCHES	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS
JAN.	30.27	29.95	30.108	30.088	0.020	1	1	2	1	0	4	10	0
FEB.	30.30	30.00	30.146	30.058	0.089	1	2	3	1	0	6	8	0
MAR.	30.26	30.01	30.131	30.058	0.073	0	0	0	1	0	6	10	0
APR.	30.12	29.89	30.003	30.001	0.003	0	0	0	3	4	14	4	0
MAY	30.04	29.88	29.962	30.016	-0.054	0	0	0	2	4	18	0	0
JUN.	30.04	29.88	29.958	29.948	0.010	0	0	0	2	3	14	0	0
JUL.	30.06	29.93	29.991	29.981	0.010	0	0	0	1	9	21	0	0
AUG.	30.04	29.92	29.973	30.000	-0.027	0	0	0	3	9	21	0	0
SEP.	30.16	30.01	30.084	30.054	0.030	0	0	0	3	1	23	0	0
OCT.	30.16	29.97	30.064	30.052	0.012	0	0	0	0	1	20	3	0
NOV.	30.23	29.98	30.101	30.130	-0.029	0	0	1	0	0	11	12	0
DEC.	30.23	29.95	30.088	30.113	-0.026	0	0	1	6	0	8	12	0
TOTAL	361.88	359.35	360.610	360.499	0.112	2	3	7	23	31	166	59	0
NUM.	12	12	12	12	12	12	12	12	12	12	12	12	12
AVE.	30.16	29.95	30.051	30.042	0.009	0.2	0.3	0.6	1.9	2.6	13.8	4.9	0.0
MAX.	30.30	30.01	30.146	30.130	0.089	1	2	3	6	9	23	12	0
MIN.	30.04	29.88	29.958	29.948	-0.054	0	0	0	0	0	4	0	0
* 10 YRS. Ave. for Jan-Jun 11 YRS. Ave. for Jul - Dec													
MAXIMUM		MINIMUM		AVERAGE OR MEAN		DEPARTURES		TOTALS				DATES	